

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P788248

Luminaire Tested: LER6D08D010-EC6DR200210IC9035-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR200210IC9035-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 869.7 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

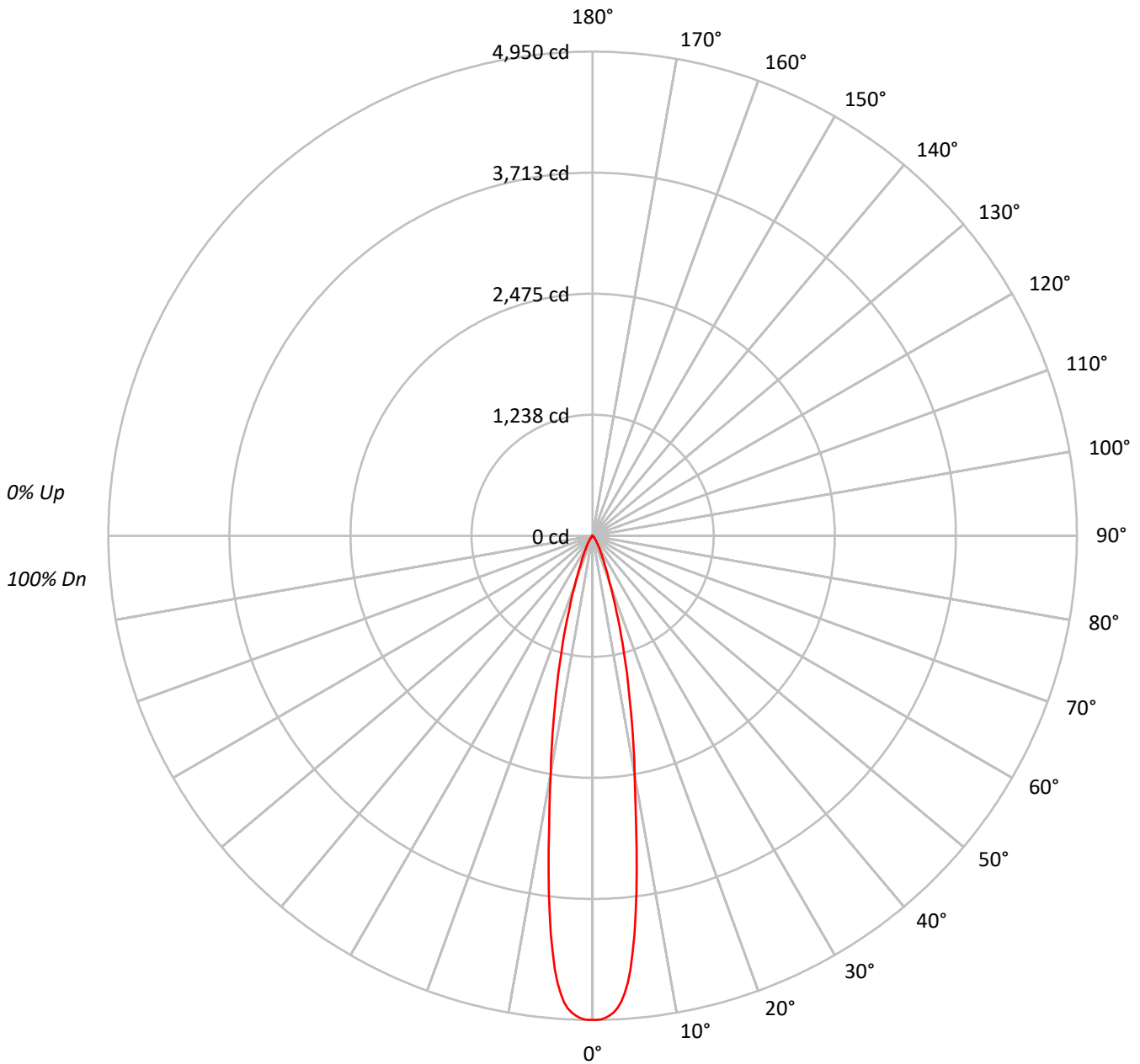


Downlight

TEST NUMBER: P788248

CATALOG NUMBER: LER6D08D010-EC6DR200210IC9035-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P788248

CATALOG NUMBER: LER6D08D010-EC6DR200210IC9035-6LBDP1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20																	
RC	80									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0															
RCR																																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100									100																		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	94	92	91	90	89	88	87	86	85	85	83	83	81	81	79	77	77	75					
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	90	89	88	87	86	85	85	83	83	81	81	79	77	77	75									
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	89	88	87	86	85	85	83	83	81	81	79	77	77	75											
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86	85	85	83	83	81	81	79	77	77	75															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	83	83	81	81	79	77	77	75																		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	81	81	79	77	77	75																				
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	79	77	77	75																						
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	77	77	75																								
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	75	75																									
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	73	73	71	71	69	69	67	67	65	65	63	63	61	61	59	59	57	57	55	55						

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	540852
5°	487947
10°	273860
15°	139211
20°	58939
25°	27209
30°	14408
35°	7763
40°	4151
45°	2457
50°	1428
55°	762
60°	481
65°	336
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2457 cd/sqm



TEST NUMBER: P788248

CATALOG NUMBER: LER6D08D010-EC6DR200210IC9035-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.4	40.5
10°-20°	347.0	39.9
20°-30°	113.4	13.0
30°-40°	38.6	4.4
40°-50°	13.0	1.5
50°-60°	3.9	0.5
60°-70°	1.3	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	812.9	93.5
0°-40°	851.5	97.9
0°-60°	868.4	99.8
0°-90°	869.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4950	
5°	4449	352
15°	1231	347
25°	226	113
35°	58	39
45°	16	13
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P788248

CATALOG NUMBER: LER6D08D010-EC6DR200210IC9035-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4950.1
0.5°	4950.1
1°	4943.9
1.5°	4931.6
2°	4909.1
2.5°	4879.1
3°	4836.8
3.5°	4777.7
4°	4690.0
4.5°	4583.4
5°	4448.9
5.5°	4272.2
6°	4091.0
6.5°	3883.4
7°	3680.2
7.5°	3442.1
8°	3229.7
8.5°	3015.9
9°	2818.4
9.5°	2637.3
10°	2468.4
12.5°	1772.4
15°	1230.7
17.5°	804.0
20°	506.9
22.5°	328.4
25°	225.7
27.5°	158.7
30°	114.2
32.5°	82.0
35°	58.2
37.5°	40.6
40°	29.1
42.5°	21.2
45°	15.9
47.5°	12.3
50°	8.4
52.5°	5.3
55°	4.0
57.5°	3.1
60°	2.2
62.5°	1.8
65°	1.3



TEST NUMBER: P788248

CATALOG NUMBER: LER6D08D010-EC6DR200210IC9035-6LBDP1H

**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



67.5°		0.9
70°		0.4

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)